

Dcmp Deaminase

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Recent Publications on Dcmp Deaminase:

- [Crystal structures of Streptococcus mutans 2'-deoxycytidylate deaminase and its complex with substrate analog and allosteric regulator dCTP x Mg²⁺.](#)
2'-Deoxycytidylate deaminase [or deoxycytidine-5'-monophosphate (dCMP)]...25th March, 2008
Beijing Synchrotron Radiation Facility, Institute of High Energy Physics,- J Mol Biol. 2008 Mar 14;377(1):220-31. Epub 2008 Jan 5. ([DOI Direct Link](#))
- [Involvement of deoxycytidylate deaminase in the response to S\(n\)1-type methylation DNA damage in budding yeast.](#)
2''-Deoxycytidylate deaminase [or deoxycytidine-5''-monophosphate (dCMP)]...9th January, 2008
Molecular and Medical Genetics, Oregon Health & Science University,- Curr Biol. 2007 Sep 4;17(17):R755-7. ([DOI Direct Link](#))
- [An association between RRM1 haplotype and gemcitabine-induced neutropenia in breast cancer patients.](#)
PURPOSE: We examined the pattern of single-nucleotide polymorphisms (SNPs)...21st September, 2007
Cancer Metastasis Research Center, Yonsei Cancer Center, Yonsei University- Oncologist. 2007 Jun;12(6):622-30. ([DOI Direct Link](#))
- [Chloroviruses encode a bifunctional dCMP-dCTP deaminase that produces two key intermediates in dTTP formation.](#)
The chlorovirus PBCV-1, like many large double-stranded DNA-containing...15th September, 2007
Department of Plant Pathology, University of Nebraska-Lincoln, Lincoln, NE- J Virol. 2007 Jul;81(14):7662-71. Epub 2007 May 2. ([DOI Direct Link](#))
- [p53R2-dependent ribonucleotide reduction provides deoxyribonucleotides in quiescent human fibroblasts in the absence of induced DNA damage.](#)
Human fibroblasts in culture obtain deoxynucleotides by de novo...11th July, 2007
Department of Biology, University of Padova, I-35131 Padova, Italy.- J Biol Chem. 2007 Jun 8;282(23):16820-8. Epub 2007 Apr 7. ([DOI Direct Link](#))
- [Gemcitabine pharmacogenomics: cytidine deaminase and deoxycytidylate deaminase gene resequencing and functional genomics.](#)
PURPOSE: Gemcitabine is a nucleoside analogue with activity against solid...9th December, 2006
Department of Molecular Pharmacology and Experimental Therapeutics, Mayo- Clin Cancer Res. 2006 Mar 15;12(6):1794-803. ([DOI Direct Link](#))
- [Ribonucleotide reductase M1 \(RRM1\) 2464G>A polymorphism shows an association with gemcitabine chemosensitivity in cancer cell lines.](#)

OBJECTIVES: Significant variability in the efficacy and toxicity of an... 3rd November, 2006
Cancer Metastasis Research Center, Yonsei Cancer Center, Yonsei University- Pharmacogenet
Genomics. 2006 Jun;16(6):429-38. ([DOI Direct Link](#))

- [\[Special function of deoxycytidine kinase \(dCK\) in the activation of chemotherapeutic nucleoside analogs and in the inhibition of cell proliferation\]](#)
Deoxycytidine kinase (dCK) plays a central role in the deoxynucleoside... 12th May, 2005
Orvosi Vegytani, Molekularis Biologiai es Pathobiokemiai Intezet,- Magy Onkol. 2004;48(3):229-34.
Epub 2004 Nov 1. ([DOI Direct Link](#))
- [Three-dimensional structure of the R115E mutant of T4-bacteriophage 2'-deoxycytidylate deaminase. 2'-Deoxycytidylate deaminase \(dCD\) converts deoxycytidine 5'-monophosphate...](#) 16th December, 2004
Wadsworth Center, New York State Department of Health, Albany, New York- Biochemistry. 2004 Nov
2;43(43):13715-23. ([DOI Direct Link](#))
- [An increase in the expression of ribonucleotide reductase large subunit 1 is associated with gemcitabine resistance in non-small cell lung cancer cell lines.](#)
The mechanisms of resistance to the antimetabolite gemcitabine in... 28th July, 2004
Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, Indiana,- Cancer Res. 2004 Jun
1;64(11):3761-6. ([DOI Direct Link](#))
- [Identification of novel cellular targets in biliary tract cancers using global gene expression technology.](#)
Biliary tract carcinoma carries a poor prognosis, and difficulties with... 4th September, 2003
Department of Pathology, The Johns Hopkins University School of Medicine,- Am J Pathol. 2003
Jul;163(1):217-29.
- [Human cytomegalovirus requires cellular deoxycytidylate deaminase for replication in quiescent cells.](#)
We have previously observed that the expression of two thymidylate... 2nd July, 2003
Department of Public Health and Microbiology, University of Torino, Via- J Gen Virol. 2003 Jun;84(Pt
6):1437-41.
- [Assessment of the effect of phosphorylated metabolites of anti-human immunodeficiency virus and anti-hepatitis B virus pyrimidine analogs on the behavior of human deoxycytidylate deaminase.](#)
Deoxycytidylate deaminase, catalyzing the conversion of dCMP to dUMP, is... 10th January, 2003
Department of Pharmacology, Yale University School of Medicine, New Haven,- Mol Pharmacol. 2003
Jan;63(1):105-10.
- [\[Clinical pharmacology of nucleoside analogues\]](#)
The drugs concerned by this review are cytarabine (ara-C), gemcitabine and... 10th December, 2002
Centre Antoine-Lacassagne, 33, avenue de Valombrose, 06189 Nice.- Bull Cancer. 2002 Aug;89 Spec
No:S71-5.

Dcmp Deaminase Clinical Trials:



- [5-Fluoro-2'-Deoxycytidine and Tetrahydrouridine in Treating Patients With Advanced Solid Tumors](#)
Breast Cancer; Unspecified Adult Solid Tumor, Protocol Specific



Dcmp Deaminase Patents:

- 7365178- [Acyl-nucleotide probes and methods of their synthesis and use in proteomic analysis](#)
- 5814639- [Method for the synthesis, compositions and use of 2'-deoxy-5-fluoro-3'-thiacytidine and related compounds](#)
- 5700937- [Method for the synthesis, compositions and use of 2'-deoxy-5-fluoro-3'-thiacytidine and related compounds](#)
- 5622851- [Human deoxycytidylate deaminase gene](#)
- 5545548- [Thermally stable cytosine deaminase from saccharomyces](#)
- 5338678- [Expression of DNA sequences encoding a thermally stable cytosine deaminase from saccharomyces](#)
- 5213972- [Fermentation process for the production of pyrimidine deoxyribonucleosides](#)
- 5210085- [Method for the synthesis, compositions and use of 2'-deoxy-5-fluoro-3'-thiacytidine and related compounds](#)
- 5116748- [Process for the production of L-alanine dehydrogenase from 78-3 FERM BP-2517](#)
- 4990499- [Anti-herpes simplex virus activity of 5-alkoxymethyl-2'-deoxycytidines and their 5-monophosphates](#)
- 4945049- [Method for preparing magnetic powder](#)
- 4894364- [Method and materials for sensitizing neoplastic tissue to radiation](#)
- 5952294- [Peptidyl prodrugs and methods of making and using the same](#)
- 6316425- [Therapeutic agents](#)
- 7090973- [Nucleic acid sequences relating to Bacteroides fragilis for diagnostics and therapeutics](#)
- 6974667- [Gene expression profiles in liver cancer](#)
- 6933287- [Dramatic simplification of a method to treat neoplastic disease by radiation](#)
- 6759200- [Thymidine phosphorylase gene sequence variances having utility in determining the treatment of disease](#)
- 6664062- [Thymidylate synthase gene sequence variances having utility in determining the treatment of disease](#)
- 6632937- [Nucleic acids and proteins from Cenarchaeum symbiosum](#)
- 6583275- [Nucleic acid sequences and expression system relating to Enterococcus faecium for diagnostics and therapeutics](#)
- 6537759- [Folypolyglutamate synthetase gene sequence variances having utility in determining the treatment of disease](#)
- 6423692- [Method of enhancing the effectiveness of DCK phosphorylated molecules](#)
- 6335322- [Therapeutic agents](#)
- 6322991- [High-throughput screens for enzyme inhibitors](#)
- 4604234- [Protein having cell growth stimulating action, composition thereof and method for producing the same](#)

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